



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/965,685

Filing Date: September 27, 2001

Applicant: Hasegawa et al

Group Art Unit: Not yet assigned

Examiner: Not yet assigned

Title: METHOD FOR MANUFACTURING ELECTRO-OPTICAL DEVICE

Attorney Docket: 9319S-000275

Commissioner of Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to the examination of this application, please amend it as follows.

IN THE SPECIFICATION

Please replace the specification with the attached substitute specification.

Applicant includes herewith an Attachment for Specification Amendments showing a marked up version of the specification. Pursuant to 37 C.F.R. § 1.125 (b)(1), no new matter has been added.

IN THE CLAIMS

Please cancel claims 1-4, without prejudice.

Please add the following new claims.

5. (New) A method for manufacturing an electro-optical device including a flexographic process, comprising:

forming color filters that include a plurality of colors at a first predetermined pitch on a front side of a substrate;

transferring a coating liquid from an anilox roller onto a projection, said projection formed on a letterpress; and

transferring said coating liquid from said projection to said substrate;

wherein at least two of:

 said first predetermined pitch of said color filters;

 a second pitch of meshes formed on a surface of said anilox roller;

and

 a third pitch of meshes formed on a surface of said projection are substantially equal.

6. (New) A method for manufacturing an electro-optical device according to claim 1, wherein said predetermined pitch of said color filters, said second pitch of meshes formed on said surface of said anilox roller, and said third pitch of meshes formed on said surface of said projection are substantially equal.

7. (New) A method for manufacturing an electro-optical device according to claim 1, wherein said film is an alignment film for controlling an alignment state of an electro-optical substance.

8. (New) A method for manufacturing an electro-optical device according to claim 1, wherein said film is formed on a dummy substrate by flexography before said film is formed by flexography on said front side of said substrate.

9. (New) A method for manufacturing a liquid crystal device comprising:

- forming a color filter on a transparent substrate;
- forming a planarizing film on said color filter;
- forming an electrode pattern on said planarizing film;
- forming an overcoating film on said electrode pattern;
- forming an alignment film on said overcoating film; and
- forming a first terminal region and a second terminal region along edges of said substrate, said edges not containing said overcoating film and said alignment film,

wherein said transparent substrate is formed from a large substrate cut into a plurality of transparent substrates, said large substrate is subjected to flexography where a coating liquid is transferred from an anilox roller onto a projection, said projection formed on a letterpress;

said coating liquid is transferred from said projection to said large substrate to form said overcoating film and said alignment film; and

at least two of:

- a first predetermined pitch of said color filter;

a second pitch of meshes formed on a surface of said anilox roller;

and

a third pitch of meshes formed on a surface of said projection are substantially equal.

10. (New) A method for manufacturing a liquid crystal device according to claim 9, wherein said predetermined pitch of said color filters, said second pitch of meshes formed on said surface of said anilox roller, and said third pitch of meshes formed on said surface of said projection are substantially equal.

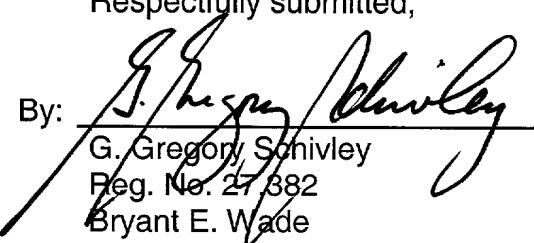
REMARKS

The purpose of this Preliminary Amendment is to clarify the translation and to add new claims. No new matter has been added. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: Dec 14, 2001

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